

# Chem-Impex International, Inc.

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Manufacturing site:

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## Certificate of Analysis

<b>Catalogue Number</b>	11292
<b>Lot Number</b>	000129-10227
<b>Product</b>	<b><i>N-Z-1,5-pentanediamine hydrochloride</i></b>
	<i>N-Z-1,5-diaminopentane hydrochloride</i>
	<i>Benzyl N-(5-aminopentyl)carbamate hydrochloride</i>
<b>CAS Number</b>	18807-74-4
<b>Molecular Formula</b>	C <sub>13</sub> H <sub>20</sub> N <sub>2</sub> O <sub>2</sub> ·HCl
<b>Molecular Weight</b>	272.77

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<b>Appearance</b>	White crystalline powder
<b>Melting Point</b>	173-174 °C
<b>Assay by titration</b>	99.4%
<b>Purity by HPLC</b>	99.1%
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at 0-8 °C
<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
**Quality Control Manager**